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File: USPT

May 29, 2001

DOCUMENT-IDENTIFIER: US 6238644 B1

TITLE: Method for treating and/or imaging breast cancer using radioactive iodideAbstract Text (1):

The instant invention utilizes the preferential uptake of iodine by mammary cells in general, and neoplastic mammary cells in particular to promote the concentration of radioactive iodine in malignant mammary cells. Radioactive iodine has utility in the instant invention as both a cancer therapeutic and a radioimaging dye. Iodine 125 and/or iodine 131 are administered in doses from 1 to 50 milliCurie per day. Subsequent doses may also be administered as clinically warranted. Administration of hormones prior to, or simultaneous with, the administration of the radio iodine is optionally utilized to stimulate iodine uptake in neoplastic mammary cells or to inhibit iodine uptake by the thyroid gland.

Other Reference Publication (14):

Robbins, R. et al. "Localization of Immunoreactive Na-/I-Symporter (ir-NIS) in Normal and Neoplastic Human Thyroid Cells." abstract.